


EAST Search History

S28	634 <i>M</i>	challenge same (public adj key) same S5	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/11/27 18:45
S29	11444	S2 same S5	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/11/27 18:40
S30	7771	S2 same S5 same S4	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/11/27 18:40
S31	393 <i>M</i>	S28 and S30	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/11/27 18:40
S32	1 <i>M</i>	challenge same (public adj key) same S5 same (reencrypt\$ or re-encrypt4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/11/27 18:45
S33	23 <i>M</i>	challenge same (public adj key) same S5 same (reencrypt\$ or re-encrypt\$)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/11/27 18:52
S34	218 <i>M</i>	challenge same (public adj key) same S5 same S3	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/11/27 18:52
S35	179 <i>M</i>	challenge same (public adj key) same S5 same S3 same (private adj key)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/11/27 19:04

EAST Search History

S36	0	citigal	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/11/27 19:04
S37	 14	citigal	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2006/11/27 19:04
S38	13457	RSA	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/17 20:51
S39	23283	public adj key	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/17 20:51
S40	16323	private adj key	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/17 20:51
S41	13330	S39 and S40	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/17 20:51
S42	4787	S38 and S41	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/17 20:51
S43	3784	S42 and (encrypts or encrypting) and (decrypt or decrypting)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 20:52










EAST Search History

S44	6621	((encrypts or encrypting) and (decrypt or decrypting)) same (number or challenge))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 20:54
S45	260658	S42 and 7	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 20:53
S46	1483	S42 and S44	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 20:53
S47	105	(private adj key) with sign with challenge	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 20:54
S48	83	(decrypt or decrypting) and S47	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 21:21
S49	50299	challenge and (Random\$)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 21:21
S50	1025	challenge same (private adj key)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 21:21
S51	853	S49 and S50	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 21:21

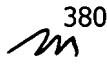





EAST Search History

S52	1197	encrypt\$ near5 challenge	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 21:22
S53	323	S51 and S52	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 21:22
S54	4438	challenge.ab.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 21:26
S55	59	S53 and S54	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 21:24
S56	1183	sign with challenge	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 21:25
S57	1228	sign with (challenge or nonce)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 21:25
S58	327	S41 and S57	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 21:25
S59	156	S58 and S50	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 21:25

EAST Search History

S60	20 	S59 and S54	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 21:27
S61	42150 	saito.in.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 21:27
S62	35 	S61 and ks1	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 21:34
S63	177 	sign adj2 challenge	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 21:34
S64	437 	decrypt with challenge	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 21:35
S65	31 	S63 and S64	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 21:54
S66	406 	decrypt same (digitally adj sign)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 22:58
S67	3 	"6605120" and policies	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/03/17 22:58
S68	199 	(380/285).CCLS.	US-PGPUB; USPAT; EPO	OR	OFF	2007/03/19 11:22

EAST Search History

S69	 380	(713/181).CCLS.	US-PGPUB; USPAT; EPO	OR	OFF	2007/03/19 11:24
S70	 309	(705/76).CCLS.	US-PGPUB; USPAT; EPO	OR	OFF	2007/03/19 11:24
S71	 329	(705/80).CCLS.	US-PGPUB; USPAT; EPO	OR	OFF	2007/03/19 11:24
S72	 704	(726/5).CCLS.	US-PGPUB; USPAT; EPO	OR	OFF	2007/03/19 11:25
S73	 225	(713/178).CCLS.	US-PGPUB; USPAT; EPO	OR	OFF	2007/03/19 11:33
S74	16334	private adj key	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 11:25
S75	23299	public adj key	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 11:25
S76	13335	S74 and S75	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 11:25
S77	 168	S72 and S76	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 11:25
S78	3891	(challenge or nonce).ab.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 11:33

EAST Search History

S79	368202	(signed or signature)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 11:33
S80	9342	S79 and S76	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 11:33
S81	156	S78 and S80	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 11:40
S82	514	(challenge or nonce).ti.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 11:40
S83	445745	(sign or signature)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 11:40
S84	49	S82 and S83	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 11:51
S85	3361	(sign or signature or signed or signs) same (challenge or nonce)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 11:52
S86	471	(sign or signature or signed or signs) same (challenge or nonce) same (encrypt or encrypts or encryption)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/06/23 17:15

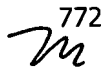





EAST Search History

S87	1008	S85 and S76	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 11:53
S88	1869	((sign or signature or signed or signs) with (challenge or nonce))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 12:10
S89	6405	(decrypt or decrypts or decryption or decrypting) with (private adj key)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 12:03
S90	279	S88 and S89	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 12:09
S91	872	((sign or signature or signed or signs) near3 (challenge or nonce))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 12:10
S92	178	S90 and S91	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 12:10
S93	720	(challenge or nonce) near3 (encrypt or encrypts or encryption)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 12:14
S94	60	S92 and S93	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 12:11

EAST Search History

S95	5924	(encrypt or encrypts or encryption encrypting) same (public adj key) same (private adj key) same (decrypt decrypts decryption decrypting)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 12:15
S96	2130	(encrypt or encrypts or encryption encrypting) same (public adj key) same (private adj key) same (decrypt decrypts decryption decrypting) same (sign signs signature)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 12:16
S97	989	(encrypt or encrypts or encryption encrypting) with (public adj key) same (private adj key) with (decrypt decrypts decryption decrypting) same (sign signs signature)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 12:16
S98	989	(((encrypt or encrypts or encryption encrypting) with (public adj key)) same ((private adj key) with (decrypt decrypts decryption decrypting))) same (sign signs signature)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 12:17
S99	737	S97 and @py<"2006"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 12:30
S10 0	1070	(encrypted or encrypts or encrypt) near3 (challenge or nonce or (initialization adj vector))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 12:31
S10 1	732	(sign or signs or signature) near3 (challenge or nonce or (initialization adj vector))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 12:31
S10 2	1134	(encrypted or encrypts or encrypt or encrypting) near3 (challenge or nonce or (initialization adj vector))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 12:31





EAST Search History

S10 3	 772	(sign or signs or signature or signing) near3 (challenge or nonce or (initialization adj vector))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 12:31
S10 4	 143	S102 and S103	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 13:25
S10 5	 1	("4799061").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2007/03/19 14:19
S10 6	 0	((("signingsignssign)near2") or ("(decryptdecryptiondecryptsdecrypting)")).PN.	US-PGPUB; USPAT; EPO	OR	OFF	2007/03/19 14:20
S10 7	559	(signing signs sign) near2 (decrypt decryption decrypts decrypting)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 14:20
S10 8	2448	(signing signs sign signature) near2 (decrypt decryption decrypts decrypting)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 14:20
S10 9	1072	(signing signs sign signature) near2 (decrypted)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 14:21
S11 0	 393	(signing signs sign signature) adj (decrypted)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 14:22
S11 1	 16	(signing signs sign signature) adj2 (decrypted adj message)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 14:25









EAST Search History

S11 2	2	(signing signs sign signature) adj2 (decrypted adj challenge)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 14:28
S11 3	0	(signing signs sign signature) adj2 (decrypted adj nonce)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 14:28
S11 4	0	(signing signs sign signature) adj2 (decrypted adj number)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 16:09
S11 5	933	memory same (smartcard smart adj card) and (challenge nonce)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 16:10
S11 6	282	S115 and RSA	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 16:11
S11 7	274	S116 and device	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 16:11
S11 8	274	S116 and time	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 16:11
S11 9	267	S118 and device	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 16:11

EAST Search History

S12 0	60 	S116 and (external adj device) and time	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 16:21
S12 1	2 	"6651169" and memory	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 16:22
S12 2	4360	memory same (nonce or challenge)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 16:22
S12 3	463 	S122 and (smartcard or smart adj carD)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 16:23
S12 4	2	(communication adj request adj id)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 16:23
S12 5	1572	(communication adj2 id)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 16:23
S12 6	3780 	(communication adj id) or (session adj id)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 16:24
S12 7	27	S123 and S126	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 16:23



EAST Search History

S128	0	S126 and smartcar	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 16:24
S129	 325	S126 and (smartcard or (smart adj card))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 16:25
S130	 118	S129 and (nonce or challenge)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 16:25
S131	 106	S130 and memory	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 17:08
S132	 5	"6922781"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/03/19 17:08
S133	 232	(380/259).CCLS.	US-PGPUB; USPAT; EPO	OR	OFF	2007/06/11 16:28
S134	 138	(380/273).CCLS.	US-PGPUB; USPAT; EPO	OR	OFF	2007/06/11 16:28
S135	 238	(380/45).CCLS.	US-PGPUB; USPAT; EPO	OR	OFF	2007/06/11 16:34
S136	 89	reencrypt or re-encrypt	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/06/11 16:35

EAST Search History

S13 7	1529	reencrypt or re-encrypt	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 16:35
S13 8	1462	S137 and (decrypt or decryption)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 16:35
S13 9	1395	S138 and key	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 16:35
S14 0	43805	(random adj number)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 16:37
S14 1	149712	challenge or nonce	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 16:36
S14 2	0	(challenge or nonce) near4 encrypt	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/06/11 16:36
S14 3	107228	(challenge or nonce)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/06/11 16:36
S14 4	188263	S140 S141	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 16:36

EAST Search History

S14 5	695	S139 and S144	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 16:36
S14 6	 116	S137 same ((random adj number) or challenge or nonce)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 16:37
S14 7	 115	S146 and S139	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 16:37